

CLAIMS AMENDMENTS

Please amend the claims as follows:

Claims 1-2 (cancelled)

Claim 3 (cancelled)

Claim 4 (cancelled)

5. (currently amended) An isolated leptin receptor (OB-R) polypeptide which is OB-Re (SEQ ID NO:10), ~~or allelic variants thereof.~~

Claim 6 (cancelled)

7. (currently amended) An isolated leptin receptor (OB-R) polypeptide of amino acids 28-805 of SEQ ID NO: 10, ~~or allelic variants thereof.~~

Claim 8 (cancelled)

9. (currently amended) An isolated A soluble leptin receptor which is selected from OB-Re (SEQ ID NO:10) and amino acids 28-805 of SEQ ID NO:10.

Claims 10-62 (cancelled)

63. (previously presented) A pharmaceutical composition comprising a soluble leptin receptor according to claim 9, and a pharmaceutically acceptable carrier.

Claims 64-65 (cancelled)

66. (previously presented) A body appearance improving cosmetic composition for modulating the body weight of an individual comprising a soluble leptin receptor of claim 9, and an acceptable carrier.

Claim 67 (cancelled)

68. (previously presented) The leptin receptor of any one of Claims 5, 7 and 9 which is a murine leptin receptor.

69. (previously presented) The isolated leptin receptor (OB-R) polypeptide of any of claims 5, 7 or 9 which is a soluble receptor and which is encoded by a nucleic acid which is amplifiable in a polymerase chain reaction (PCR) with a PCR probe selected from group consisting of a probe for clone 7 (forward primer SEQ ID NO:42 and reverse primer SEQ ID NO:43), a probe for clone 11 (forward primer SEQ ID NO:44 and reverse primer SEQ ID NO:45), and both clone 7 and clone 11.

70. (previously presented) The isolated leptin receptor (OB-R) polypeptide of any of claims 5, 7 or 9 which is a soluble receptor and which is encoded by a nucleic acid which is amplifiable in a PCR reaction with a PCR probe selected from the group consisting of a probe for clone S14 (forward primer SEQ ID NO:51 and reverse primer SEQ ID NO:52); and a probe for clone S3 (forward primer SEQ ID NO:53 and reverse primer SEQ ID NO:54).